AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) A high strength low shrinkage polyester drawn yarn, which is—prepared by melting and extruding a solid state polymerization chip of polyethylene terephthalate at a spinning temperature of 273 to 295°C and drawing the melt and extruded polymer, wherein the high strength low shrinkage polyester drawn yarn has a thermal relaxation stress change ratio of 5 to 100% and a thermal relaxation stress area ratio of 50 to 140% on a thermal relaxation and shrinkage stress curve with a final temperature set to 170°C.
- 2. (Original) The polyester drawn yarn of claim 1, wherein the thermal stress measured under an initial load of 0.11g/d at 170°C is 0.015 to 0.065g/d.
- 3. (Original) The polyester drawn yarn of claim 1, wherein the thermal stress measured under an initial load of 0.01g/d at 170°C is 0.003 to 0.015g/d.
- 4. (Original) The polyester drawn yarn of claim 1, wherein the average value of shrinkage stress measured at 170°C is 0.02 to 0.l0g/d.
- 5. (Original) The polyester drawn yarn of claim 1, wherein the thermal stress measured under an initial load of 0.11g/d at 150°C is 0.015 to 0.065g/d.
- 6. (Original) The polyester drawn yarn of claim 1, wherein the thermal stress measured under an initial load of 0.01g/d at 150°C is 0.003 to 0.015g/d.

- 7. (Original) The polyester drawn yarn of claim 1, wherein the average shrinkage stress measured at 150°C is 0.02 to 0.10g/d.
- 8. (Original) The polyester drawn yarn of claim 1, wherein the birefringence (Δn) of the polyester drawn yarn is 0.1800 to 0.2200.
- 9. (Original) The polyester drawn yarn of claim 1, wherein the crystallinity (Xc) of the polyester drawn yarn is 44.0 to 55.0%.
- 10. (Original) The polyester drawn yarn of claim 1, wherein the amorphous orientation degree (fa) of the polyester drawn yarn is 0.45 to 0.85.
- 11. (Original) The polyester drawn yarn of claim 1, wherein the crystal orientation degree (fc) of the polyester drawn yarn is 0.905 to 0.945.
- 12. (Original) The polyester drawn yarn of claim 1, wherein the shrinkage is 0.10 to 1.60% under an initial load of 0.01g/d at the measuring condition of 170°Cx2minutes.
- 13. (Original) The polyester drawn yarn of claim 1, wherein the shrinkage is 0 to -1.5% under an initial load of 0.10g/d at the measuring condition of 170°Cx2minutes.

- 14. (Currently Amended) A process for producing a high strength low shrinkage polyester drawn yarn by a direct spin draw process in which a quenching delay region I having a vertical array of a hood heater [[2]] and an insulating board [[3]] is mounted between a spinneret [[1]] and a quenching chamber [[4]], wherein the high strength low shrinkage polyester drawn yarn is produced in such methods that a spinning oil is attached to the yarn being spun with an oiling apparatus [[8]] mounted at the position 500 to 1,500mm below from the lower bottom surface of the insulating board [[3]], the relaxation stress of the yarn is controlled with one or two tension guides [[9]] mounted between Godet rollers of a relaxation region III, or both oiling apparatus [[8]] and tension guides [[9]] are mounted.
- 15. (Currently Amended) The process of claim 14, wherein the temperature of the hood heater [[2]] is 250 to 350°C and the length thereof is 200 to 400mm.
- 16. (Currently Amended) The process of claim 14, wherein the length of the insulating board [[3]] is 60 to 300mm.
- 17. (Original) The process of claim 14, wherein the yarn detention time in the quenching delay region I is 0.02 to 0.08 seconds.

- 18. (Original) The process of claim 14, wherein the spinning tension is less than 0.3g/d.
- 19. (Original) A fabric produced by using the high strength low shrinkage polyester drawn yarn of claim 1.
- 20. (Original) A polyvinyl chloride (PVC) coating fabric produced by using the high strength low shrinkage polyester drawn yarn of claim 1.